



Serial No.: 09/878,603      Filed: 06/11/01  
Examiner:                      Group Art Unit:  
Applicant: Peter A. Ward  
Title: **Compositions And Methods For The  
Treatment Of Sepsis**  
Atty. Docket No.: UM-06340      Sheet 1 of 11

## Survival Curves in Septic Rats

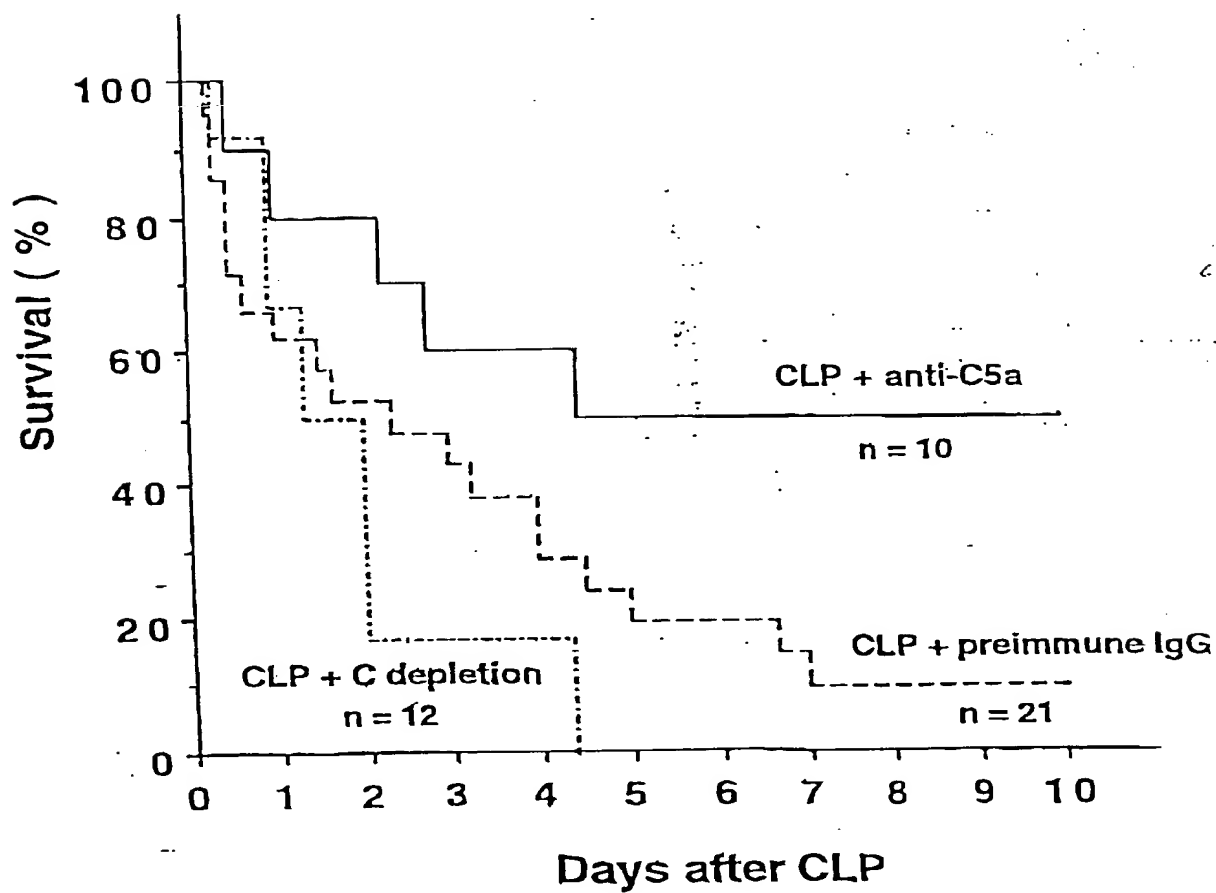


FIG 1

## Anti-C5a Reduces Bacteria in Blood 36 hours after CLP

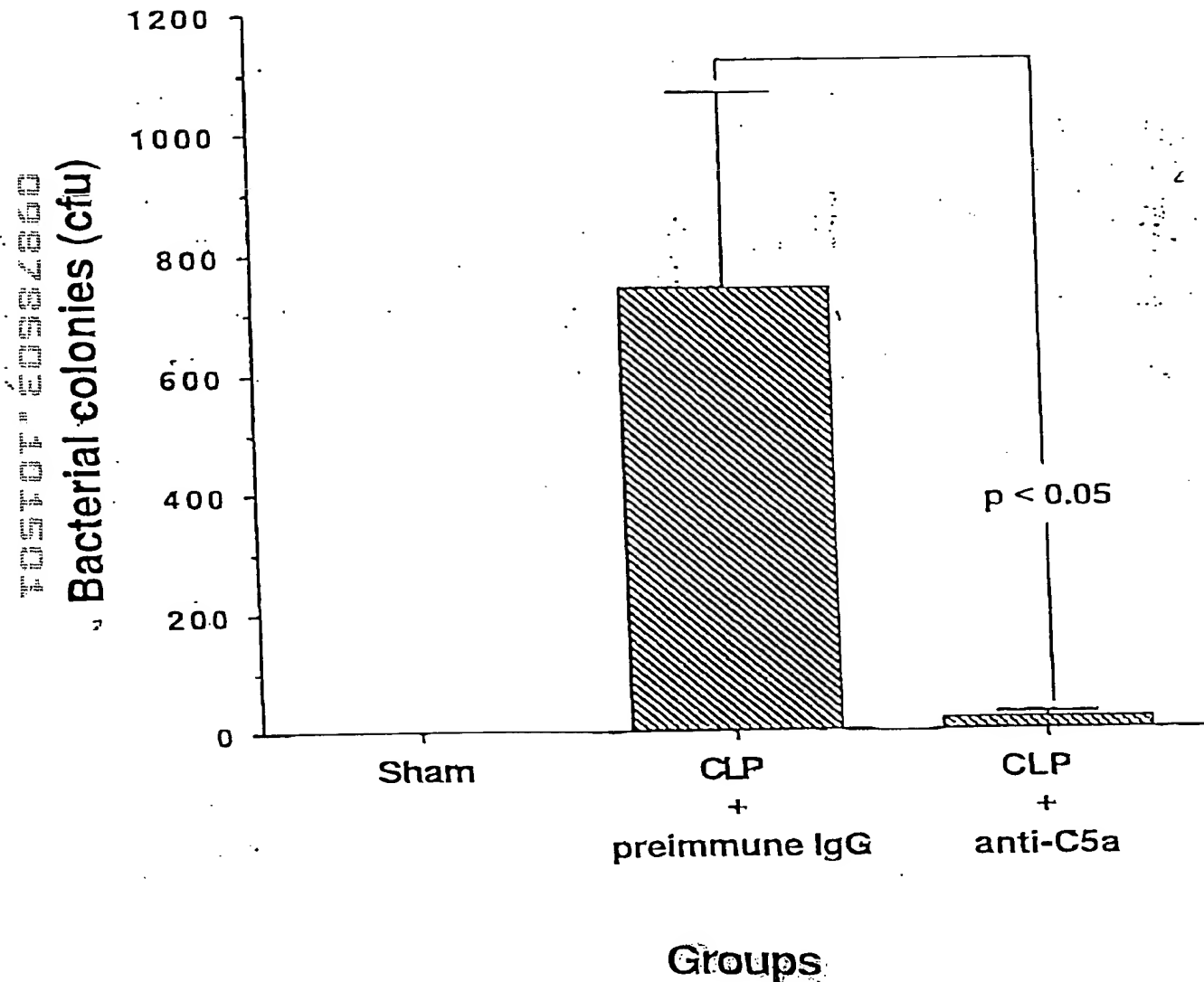


FIG 2

# Effect of Anti-C5a on Bacterial Counts in Septic Rats at 36 hrs

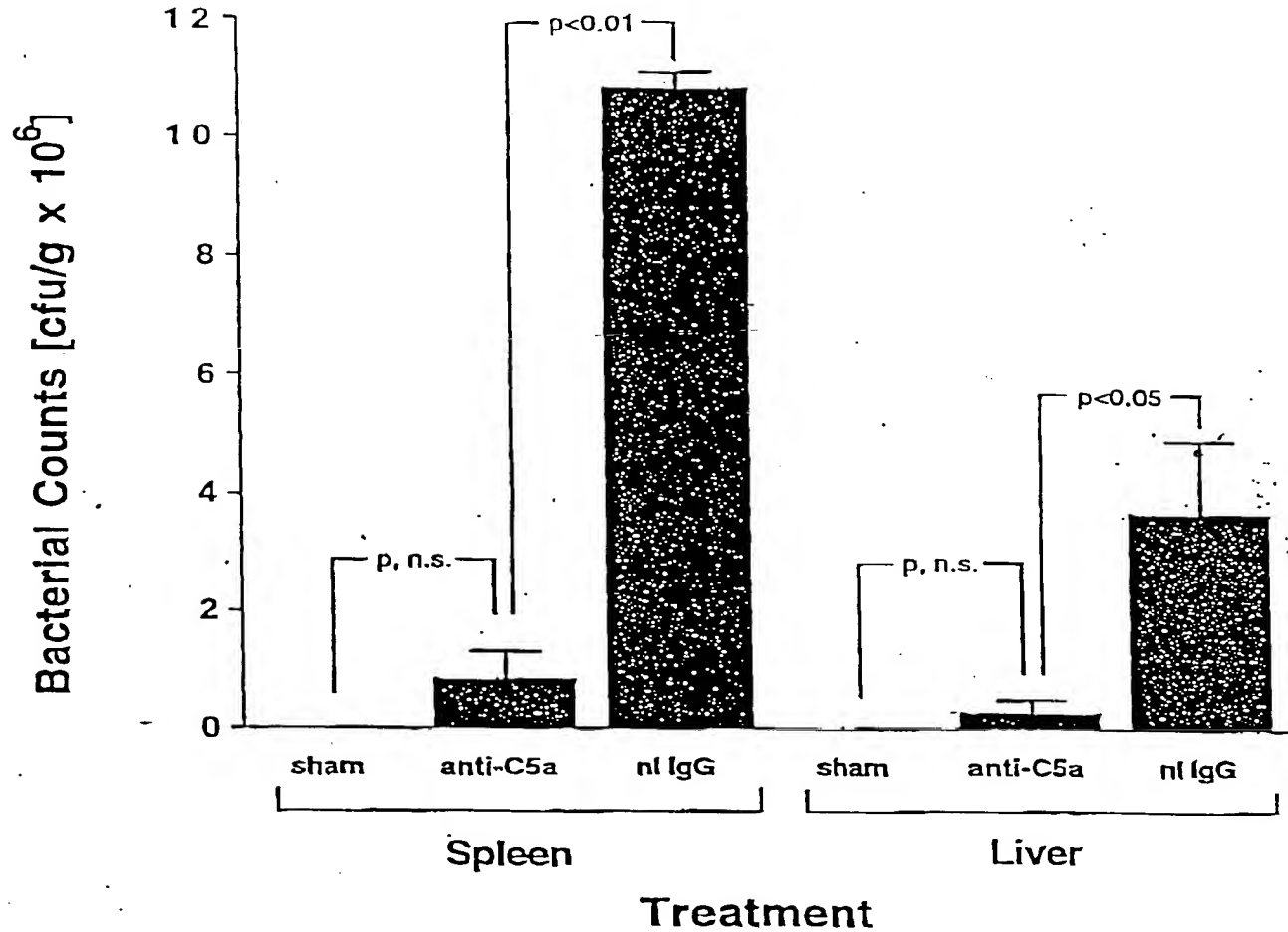


FIG 3

## H<sub>2</sub>O<sub>2</sub> Release from Blood Neutrophils

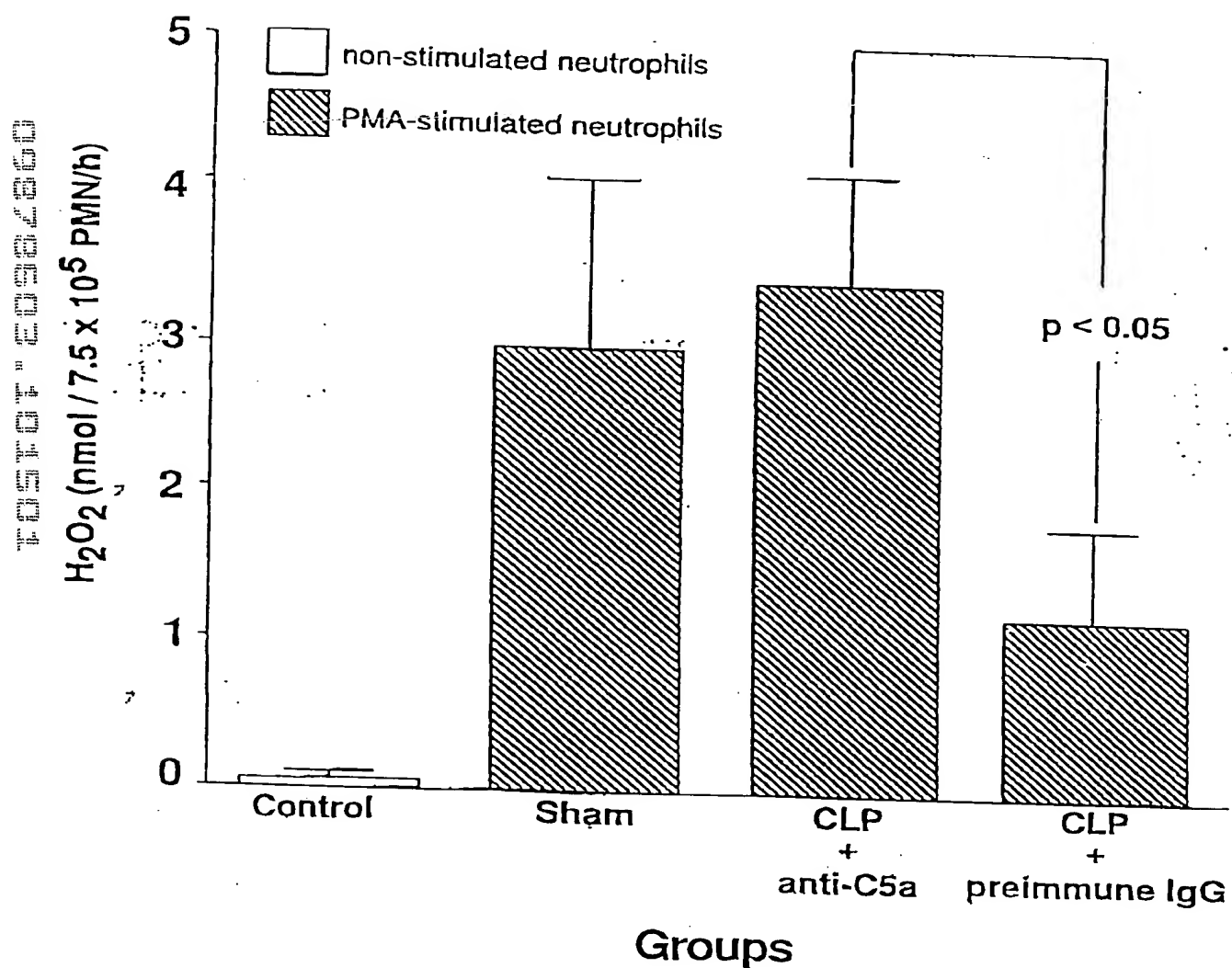
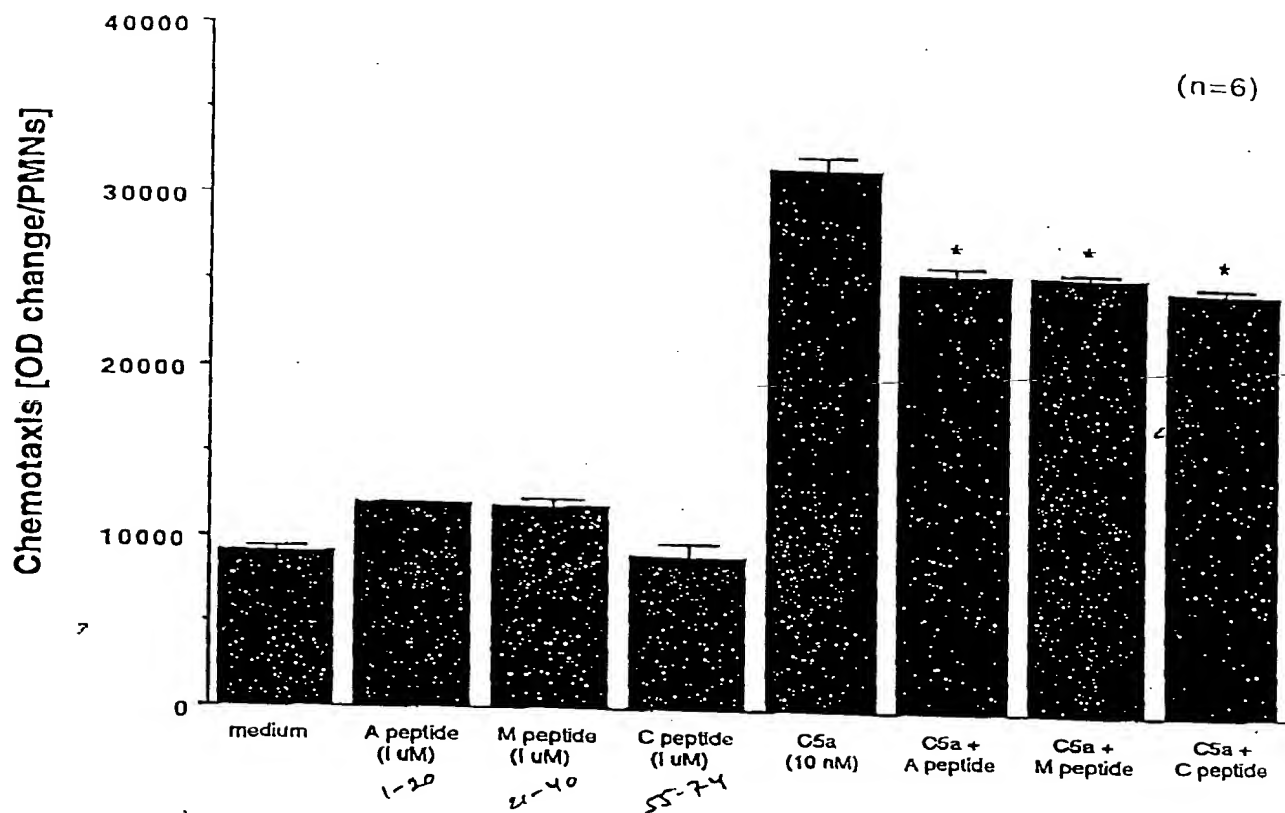


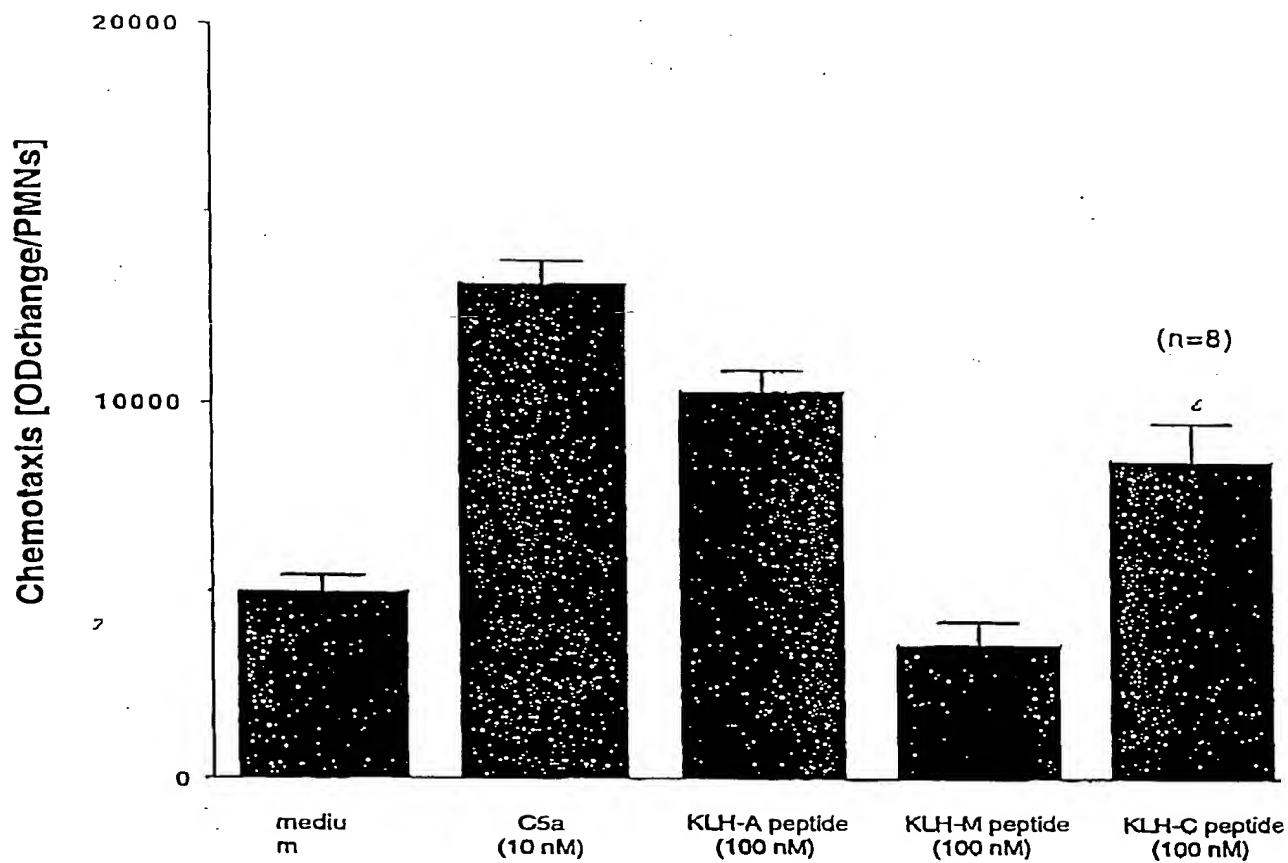
FIG 4

## Synthetic Peptides reduce huC5a-induced Chemotaxis



**FIG 5**

**Chemotactic Activity of KLH-linked synthetic peptides  
of huC5a**



**FIG 6**

## Western Blots Using Anti-C5a

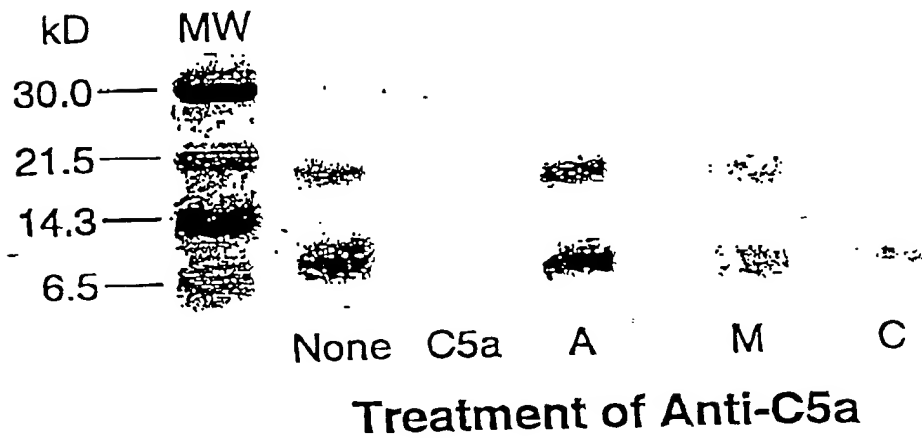


FIG 7

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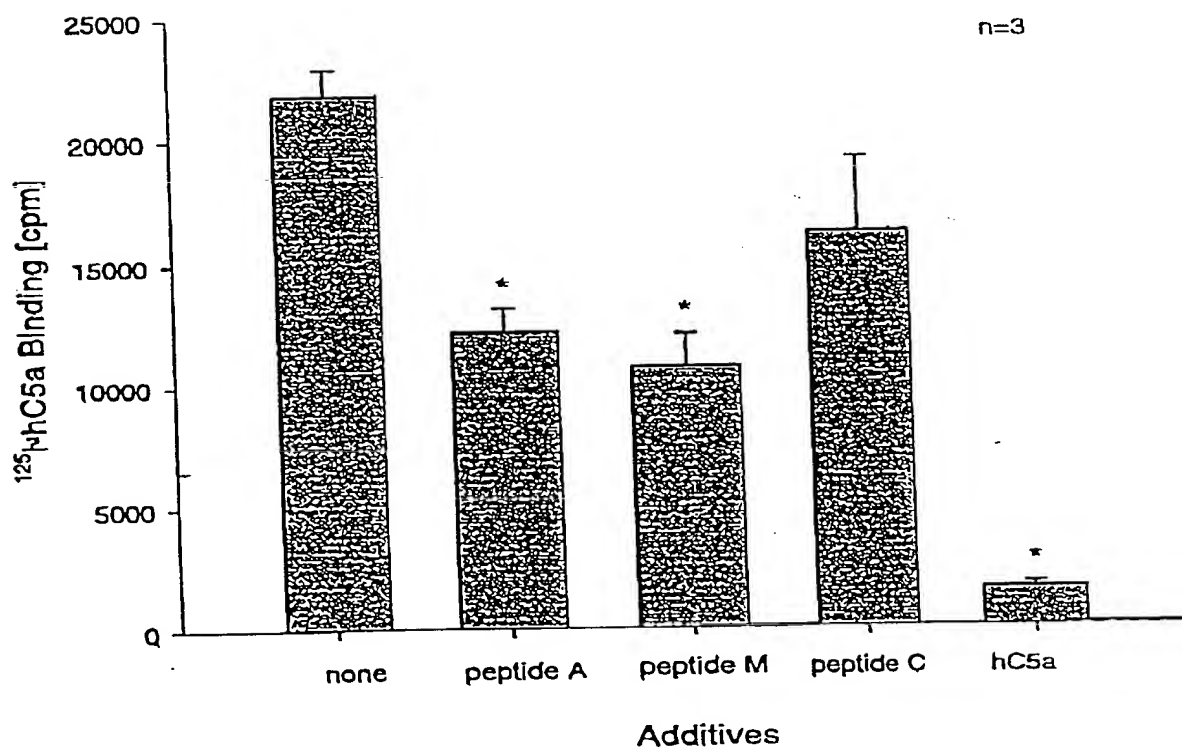
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**FIG 8**



### Binding of $^{125}\text{I}$ -hC5a to human Neutrophils



peptide A: H-MLQKKIEEIAAKYKHSVKK-OH

peptide M: H-CCYDGASVNNDTCEQRAAR-OH

peptide C: H-CVVASQLRANISHKDMQLGR-OH

**FIG 9**

# PMA-induced $H_2O_2$ -Responses in huPMNs after Exposure to huC5a and C5a-Synthetic Peptides

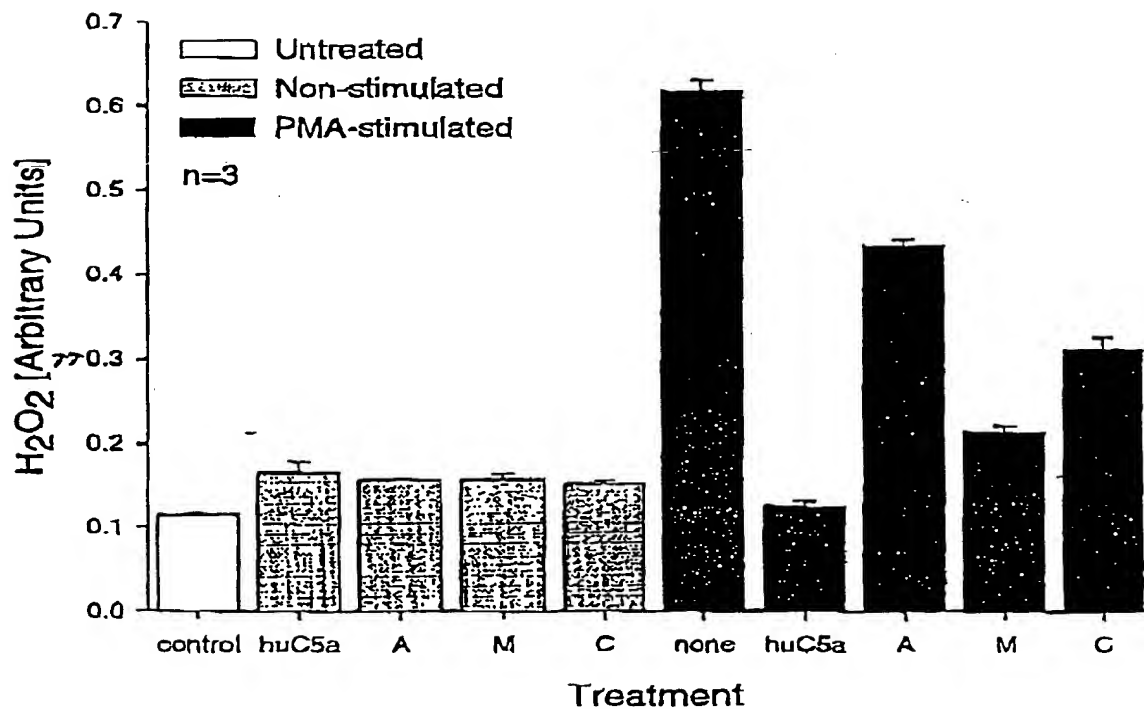


FIG 10

## Specific Detection of hC5a by Anti-hu C5a M-Peptide

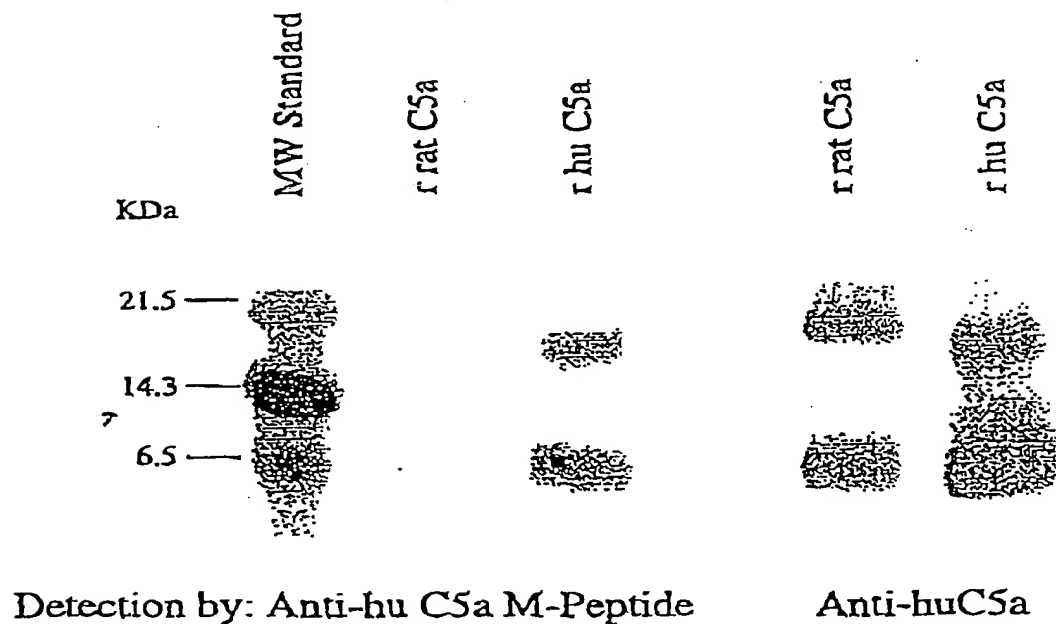


FIG 11